



**RE: Stormwater FSP**

**Carl Stivers** to: Kristine Koch, TARNOW Karen E, ljones, Andy Koulermos, LindaSC, dawn

01/25/2007 05:07 PM

Cc: Valerie Oster, Shawn Hinz, Simon Page, Amanda Shellenberger, Dennis Hanzlick

History: This message has been replied to and forwarded.

**8 attachments**



4-Stormwater FSP\_appendices\_Jan 25.doc



5-Appendix E Forms.pdf



6-Appendix H HASP Addendum.doc



7-Stormwater Draft QAPP Addendum 8.doc



8-QAPP Addendum Tables.pdf



1-Stormwater FSP\_Text Jan 24 eds.doc



2-STW FSP Tables.xls



3-Stormwater FSP Figures.pdf

All -

Some folks had trouble with the zip file I just sent.  
Here are all the files separately. Thanks.

Carl

Carl Stivers  
Anchor Environmental, L.L.C.  
1423 3rd Avenue, Suite 300  
Seattle, WA 98101-2226  
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cstivers@anchorenv.com

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-----Original Message-----

From: Carl Stivers  
Sent: Thursday, January 25, 2007 4:49 PM  
To: 'Koch.Kristine@epamail.epa.gov'; TARNOW Karen E; ljones@integral-corp.com; Andy Koulermos;

LindaSC@BES.CI.PORTLAND.OR.US;  
dawns@bes.ci.portland.or.us  
Cc: Valerie Oster; Shawn Hinz; Simon Page; Amanda  
Shellenberger; Dennis  
Hanzlick  
Subject: Stormwater FSP

Stormwater Technical Team -

Sorry for the one day delay in getting the attached revised FSP out.  
The main text is tracked in redline strikeouts so you can see what changed from previous version. It has been interesting trying to write this with everyone out doing site recons.

Please review this in preparation for our Jan. 31 meeting. Please provide any comments in writing via email prior to the meeting. Even getting comments the night before would help a lot. At the meeting we will go over those comments and over all recon information to set final feasible sampling locations.

We included all the previous round of comments to the best of our ability and as discussed at our last meeting. Please note that the Figure 2-1 map of sites is still under construction. We aren't ignoring the City comments on this, it just that it is difficult to verify the exact locations and basin amounts represented by each location when the recons are still ongoing. Once we have had a chance to go over all our most recent recon. info., we will do one final refinement of this map. Remember again, that the map is only for a general spatial indication of what is being sampled.

Please note that I am hoping that the City can bring any elevation and conveyance maps that they have for any sites that are looking difficult to do (still appears to be OF17 and OFM1). The City brought maps like this to the last meeting, and I think that will help again in these discussions.

I have also copied the Anchor team, some of whom will be at the meeting to discuss the recon. info. first hand. Our intention is to only go over sites that are proving logistically difficult.

If we can get to a site as indicated by the final table from the managers, I don't see much need for discussing it on Wed.

Carl

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-----Original Message-----

From: Koch.Kristine@epamail.epa.gov  
[mailto:Koch.Kristine@epamail.epa.gov]  
Sent: Tuesday, January 16, 2007 1:11 PM  
To: Carl Stivers  
Cc: Andy Koulermos; dawns@bes.ci.portland.or.us;  
LindaSC@BES.CI.PORTLAND.OR.US;  
ljones@integral-corp.com; TARNOW Karen E;  
Valerie Oster  
Subject: Re: Stormwater FSP Working Schedule

I will not be able to review this and provide comments by tomorrow.

Kristine Koch  
Remedial Project Manager  
USEPA, Office of Environmental Cleanup  
1200 Sixth Avenue, M/S ECL-115  
Seattle, WA 98101  
(206)553-6705  
(206)553-0124 (fax)

Carl Stivers  
<cstivers@anchor  
env.com>

To

TARNOW Karen E

01/16/2007 12:49  
<TARNOW.Karen@deq.state.or.us>,  
PM  
dawns@bes.ci.portland.or.us, Andy  
Koulermos  
<akoulermos@newfields.com>,  
Kristine  
Koch/R10/USEPA/US@EPA,  
ljones@integral-corp.com,  
LindaSC@BES.CI.PORTLAND.OR.US  
cc  
Valerie Oster  
<voster@anchorenv.com>  
Subject  
Stormwater FSP  
Working Schedule

Stormwater Technical Team -

I thought I would recap Friday's stormwater meeting with some to do's and target dates for moving forward. Simon and I have also had time to talk a little more with the implementation team to flesh out some of these target dates. So below are my thoughts (please correct or add as you see fit by responding to all). Note that some of the items below were discussed but specific dates may not have. I am trying to fit this all together so that it still works within the overall schedule.

Note that I am requesting a meeting of the Tech. Team on Jan. 31 starting from 11 am to 4 pm to discuss the final FSP. Please let me know if you cannot make this date.

\*

Comments on draft FSP main text from  
Tech. Team to Anchor  
by Jan. 17 (ignore appendices for this version)

\*

City will continue their recon of City stations and get back to Anchor as soon as possible with any contingency or alternate site suggestions (target date Jan. 19).

\*

Anchor will review City recon information and set time in week of Jan 22 to field review sites as needed with City staff shortly after the info. is provided.

\*

Anchor will recon additional LWG sites tomorrow Jan. 17 [this was just cancelled and will be rescheduled for week of Jan. 22]

\*

Anchor will recon. non-LWG member sites week of Jan 22 (along with City sites)

\*

Anchor will revise FSP based on Jan. 17 comments and fleshout Appendices for second round of review (target date Jan. 24)

\*

Implementation team will meet with Tech Team on Jan. 31 to take final FSP comments (provide in writing prior to meeting) and go over all recon information to set final feasible sampling sites.

\*

Anchor will make final revisions to FSP by Feb. 5

\*

FSP will be submitted on Feb. 5 for simultaneous review and approval to LWG Exec. and agency management team. Requesting approval by Feb. 9

This sequence of events gives us approval just prior to our expected best case delivery of the first batch of ISCO samplers for deployment the next week. Sediment traps will also be fabricated by that time.

Finally, I agreed that I would send around an example paragraph of the question I have regarding the priority issues for sampling outfalls OF17 and OF19 (and this question may also extend to OF-M1), where potential river back up may be an issue for sampling near the actual outfall. I am working on that.

Thanks to all.

Carl

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From: TARNOW Karen E [  
mailto:TARNOW.Karen@deq.state.or.us]  
Sent: Tue 1/16/2007 11:04 AM  
To: dawns@bes.ci.portland.or.us; Andy Koulermos; Carl  
Stivers;  
Koch.Kristine@epamail.epa.gov;  
ljones@integral-corp.com;  
LindaSC@BES.CI.PORTLAND.OR.US; HOPE Bruce  
Cc: Valerie Oster  
Subject: CANCELLED: Jan 16 Tech Team mtg re: modeling

Oh the weather outside is frightful....

It's not a good day for our colleagues up north to  
venture down to  
Portland, and I don't think it will be very effective  
to have the  
conversation over the phone. Besides, it sounds like  
most folks are  
happy to have time to deal with other pressing  
matters!

So let's reschedule. Let me know how these  
dates/times work for you.  
Thanks

Feb 5th, PM  
Feb 8th, AM or PM  
Feb 14th, AM or PM  
Feb 15th, AM or PM

Thanks!  
Karen

-----Original Message-----

From: TARNOW Karen E  
Sent: Wednesday, January 10, 2007 4:50 PM  
To: dawns@bes.ci.portland.or.us; Andy Koulermos; Carl  
Stivers;  
Koch.Kristine@epamail.epa.gov;  
ljones@integral-corp.com;  
LindaSC@BES.CI.PORTLAND.OR.US; HOPE Bruce  
Cc: Valerie Oster  
Subject: Jan 16 Tech Team mtg re: modeling

We're schedule to meet at 1:30 on Tuesday, Jan 18 at  
the DEQ office at  
2020 SW 4th St (4th Floor). I'm not aware that  
anyone is calling in -

so let me know if that's wrong.

Here's a proposed agenda. Send a Reply to All if you have additions or refinements to suggest.

#### AGENDA

1:30 - 2:00 Recent Changes to Stormwater Model  
Bruce will describe changes he made to the stormwater model to more accurately represent the river's flow velocity and how these changes appear to affect the outcome (i.e., stormwater impact to the river).

2:00 - 2:30 Review/Revise Modeling Workplan  
The attached document was generated last August. We'll review it to determine whether it still meets our needs.

2:30 - 4:00 Stormwater Model Data Needs  
We need to figure out how we convert stormwater loading data into data Bruce can be use as input for the model. [I imagine we'd want to approach this in the same way regardless of whether we are using the data for the stormwater model or the "hybrid" model.]